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ecology and environment, inc.

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International Specialists in the Environment

Sauget / ...
ST / ...

158002

November 25, 1986

Mr. Jeff Larson
Illinois EPA
Division of Land Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Dear Jeff:

Enclosed is a copy of the new price estimate submitted to E & E by Canonie Constructors for drilling work under the revised scope of work at Dead Creek in Sauget, Illinois. This estimate includes the drilling and installation of 25 new monitoring wells, re-drilling and installing new wells at 12 existing IEPA well locations and drilling 35 additional soil borings for subsurface soil sampling.

Also enclosed is a copy of the letter received from Ben Fox of Canonie Constructors which accompanied the new estimate. He states that increased labor rates (Canonie is a union shop) have increased their hourly rates and unit prices since the original proposal of April 24, 1985. The total estimated drilling subcontract cost of \$101,559, presented in E & E's revised scope of work was based on unit prices submitted for the original scope of work. Prices for materials i.e., well casing, screens, protective casings and drums have remained the same.

These new unit prices have boosted the total cost for the revised scope of work to an estimated \$111,331.60. A complete breakdown of costs for each subcontract bid item is attached along with the old and new unit prices as received from Canonie. If you have any questions regarding these subcontract price modifications please contact me as soon as possible.

Sincerely,

Dan Sewall

Encl.
46X2T

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COST ESTIMATE FOR DRILLING SUBCONTRACT UNDER REVISED SCOPE OF WORK
TOTALS BASED ON NEW UNIT PRICES IN LEVEL B PROTECTION

Bid Item	Description	Unit Price	Estimated Quantities	Totals
1	Mobilization and demobilization.		Lump Sum =	\$ <u>1,600.00</u> (1)
2a	Hollow stem auger borings with sampling			
	A.....	<u>23.84</u> L.F. x	<u> </u> L.F. =	\$ <u> </u> (2a)
	B.....	<u>21.68</u> L.F. x	<u>2035</u> L.F. =	\$ <u>44,118.80</u>
	C.....	<u>20.59</u> L.F. x	<u> </u> L.F. =	\$ <u> </u>
2b	Hollow stem auger borings without sampling			
	A.....	<u>16.26</u> L.F. x	<u> </u> L.F. =	\$ <u> </u> (2b)
	B.....	<u>14.09</u> L.F. x	<u>420</u> L.F. =	\$ <u>5,917.80</u>
	C.....	<u>13.01</u> L.F. x	<u> </u> L.F. =	\$ <u> </u>
2c	Rotary wash borings with sampling..	<u>24.00</u> L.F. x	<u> </u> L.F. =	\$ <u> </u> (2c)
3	Decontamination time	<u>.135.00</u> /Hr. x	<u>108</u> Hrs. =	\$ <u>14,580.00</u> (3)
4	Delay time	<u>.120.00</u> /Hr. x	<u>16</u> Hrs. =	\$ <u>1,920.00</u> (4)
5	Difficult moving	<u>.135.00</u> /Hr. x	<u> </u> Hrs. =	\$ <u> </u> (5)
6	2-inch ID stainless steel well casings.....	<u>9.20</u> L.F. x	<u>1250</u> L.F. =	\$ <u>11,500.00</u> (6)
	2-inch PVC well casing.....	<u>1.50</u> L.F. x	<u> </u> L.F. =	\$ <u> </u>
7	2-inch ID stainless steel well screen (5-foot).....	<u>140.00</u> scr x	<u>37</u> Scrns =	\$ <u>5,180.00</u> (7)
	2-inch ID PVC well screen (5-foot).....	<u>20.00</u> scr x	<u> </u> Scrns =	\$ <u> </u>
7a	2-inch S.S. Plugs & Caps.....	<u>20.00</u> ea. x	<u>74</u> ea. =	\$ <u>1,480.00</u>
8	Installation of monitoring wells including all time and materials (gravel pack, bentonite, grout). .	<u>.150.00</u> /Hr. x	<u>84</u> Hrs. =	\$ <u>12,600.00</u> (8)
9	Well development	<u>.135.00</u> /Hr. x	<u>37</u> Hrs. =	\$ <u>4,995.00</u> (9)
10	4-inch steel protective casing.....	<u>60.00</u> wells x	<u>37</u> Wells =	\$ <u>2,220.00</u> (10)
11	Furnish 55-gallon steel drums meeting DOT requirements	<u>30.00</u> drums x	<u>174</u> Drums =	\$ <u>5,220.00</u> (11)
12a	Shelby tubes.....	<u>30.00</u> /Ea. x	<u> </u> Tests =	\$ <u> </u> (12)
	Moisture content.....	<u>6.00</u> /Ea. x	<u> </u> Tests =	\$ <u> </u>
	Adherence limits.....	<u>40.00</u> /Ea. x	<u> </u> Tests =	\$ <u> </u>
	Hydrometer/sieve test.....	<u>45.00</u> /Ea. x	<u> </u> Tests =	\$ <u> </u>
	Sieve test.....	<u>25.00</u> /Ea. x	<u> </u> Tests =	\$ <u> </u>
	Shelby tube preparation.....	<u>20.00</u> /Ea. x	<u> </u> Tests =	\$ <u> </u>

TOTAL

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\$ 111,331.50
(Total)

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Canonie Constructors

OCT 22 1986

Canonie Constructors
Test Boring Services
Hamilton Lakes
500 Park Boulevard, Suite 1212
Itasca, Illinois 60143
Phone 312-773-4877

DD-0798
Groundwater Monitoring Wells
Dead Creek Project
Suaget, Illinois

Ecology and Environment, Inc.
111 West Jackson Blvd.
Chicago, Illinois 60604

Attn: Mr. Dan Sewall

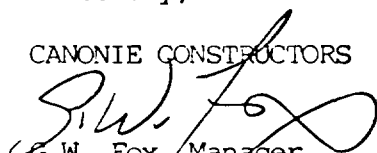
Attached please find our new estimate for drilling services at the above captioned project.

Most materials have remained the same however, union labor, i.e., operating engineers and laborers, have had two increases in wages and benefits since our original proposal dated April 24, 1985. As a result all production work priced either by the hour or unit price has been affected.

We respectfully request that those changes be incorporated into our contract.

Sincerely,

CANONIE CONSTRUCTORS


G.W. Fox, Manager
Test Boring Services

GWF:nf

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EXHIBIT 2

SUBCONTRACTOR PRICE SCHEDULE FOR INSTALLATION OF
MONITORING WELLS AT THE DEAD CREEK PROJECT,
ST. CLAIR COUNTY, ILLINOIS**NEW UNIT PRICES**

Bid Item	Description	Unit Price	Estimated Quantities	Totals
1	Mobilization and demobilization	Lump sum	= \$	1,600.00 (1)
2a	Hollow stem auger borings with sampling			
	A	23.84 L.F.x	L.F. = \$	(2a)
	B	21.68 L.F.x	L.F. = \$	
	C	20.59 L.F.x	L.F. = \$	
2b	Hollow stem auger borings without sampling			
	A	16.26 L.F.x	L.F. = \$	(2b)
	B	14.09 L.F.x	L.F. = \$	
	C	13.01 L.F.x	L.F. = \$	
2c	Rotary wash borings with sampling ...	24.00 L.F.x	L.F. = \$	(2c)
3	Decontamination time	135.00 HR.x	Hrs. = \$	(3)
4	Delay time	120.00 HR.x	Hrs. = \$	(4)
5	Difficult moving	135.00 HR.x	Hrs. = \$	(5)
6	2-inch ID stainless steel well casings	9.20 L.F.x	L.F. = \$	(6)
	2-inch PVC well casing	1.50 L.F.x	L.F. = \$	
7	2-inch ID stainless steel well screen (5-foot)	140.00 Scr.x	Scrns = \$	(7)
	2-inch ID PVC well screen (5-foot)	20.00 Scr.x	Scrns = \$	
7a.	2-inch S.S. Plugs & Caps	20.00 ea.x	ea.	
8	Installation of monitoring wells including all time and materials (gravel pack, bentonite, grout)	150.00 Hr.x	Hrs. = \$	(8)
9	Well development	135.00 Hr.x	Hrs. = \$	(9)
10	4-inch steel protective casing	60.00 Well.x	Wells = \$	(10)
11	Furnish 55-gallon steel drums meeting DOT requirements	30.00 Dr.x	Drums = \$	(11)
12	Shelby tubes	30.00 ea.x	Tests = \$	(12)
	Moisture content	6.00 ea.x	Tests = \$	
	Adherence limits	40.00 ea.x	Tests = \$	
	Hydrometer/sieve test	45.00 ea.x	Tests = \$	
	Sieve test	25.00 ea.x	Tests = \$	
	Shelby tube preparation	20.00 ea.x	Tests = \$	
TOTAL:				\$ 60,000*

*Total is not to be exceeded without prior written approval of E & E project manager.

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EXHIBIT 2

SUBCONTRACTOR PRICE SCHEDULE FOR INSTALLATION OF
MONITORING WELLS AT THE DEAD CREEK PROJECT,
ST. CLAIR COUNTY, ILLINOIS

ORIGINAL UNIT PRICES

Bid Item	Description	Unit Price	Estimated Quantities	Totals
1	Mobilization and demobilization	Lump sum	= \$	1,600.00 (1)
2a	Hollow stem auger borings with sampling			
	A	\$ 22.00 L.F. x	L.F. = \$	(2a)
	B	\$ 20.00 L.F. x	L.F. = \$	
	C	\$ 19.00 L.F. x	L.F. = \$	
2b	Hollow stem auger borings without sampling			
	A	\$ 15.00 L.F. x	L.F. = \$	(2b)
	B	\$ 13.00 L.F. x	L.F. = \$	
	C	\$ 12.00 L.F. x	L.F. = \$	
2c	Rotary wash borings with sampling ...	\$ L.F. x	L.F. = \$	(2c)
3	Decontamination time	\$125.00/Hr. x	Hrs. = \$	(3)
4	Delay time	\$105.00/Hr. x	Hrs. = \$	(4)
5	Difficult moving	\$125.00/Hr. x	Hrs. = \$	(5)
6	2-inch ID stainless steel well casings	\$ 9.20 L.F. x	L.F. = \$	(6)
	2-inch PVC well casing	\$ 1.50 L.F. x	L.F. = \$	
7	2-inch ID stainless steel well screen (5-foot)	\$140.00 Ea. x	Scrns = \$	(7)
	2-inch ID PVC well screen (5-foot)	\$ 20.00 Ea. x	Scrns = \$	
8	Installation of monitoring wells including all time and materials (gravel pack, bentonite, grout)	\$140.00 Hr. x	Hrs. = \$	(8)
9	Well development	\$125.00 Hr. x	Hrs. = \$	(9)
10	4-inch steel protective casing	\$ 60.00/Ea. x	Wells = \$	(10)
11	Furnish 55-gallon steel drums meeting DOT requirements	\$ 30.00/Ea. x	Drums = \$	(11)
12	Shelby tubes	\$ 30.00/Ea. x	Tests = \$	(12)
	Moisture content	\$ 6.00/Ea. x	Tests = \$	
	Adherence limits	\$ 40.00/Ea. x	Tests = \$	
	Hydrometer/sieve test	\$ 45.00/Ea. x	Tests = \$	
	Sieve test	\$ 25.00/Ea. x	Tests = \$	
	Shelby tube preparation	\$ 20.00/Ea. x	Tests = \$	
TOTAL:				\$ 60,000*

*Total is not to be exceeded without prior written approval of E & E project manager.

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